

POLYFLEX® 950-4

Polyurethane Based Permeable Structural Spray Coating

Meets IAAF and DIN 18035/6

Description Spike resistant, impact-cushioning surfacing for athletic tracks and recreational facilities

Fields of Application Athletic Tracks and Multipurpose Use

System Structure

Primer	Conipur 70 (for asphalt) Conipur 74 (for concrete)
Base Mat	Conipur 322 Recycled Rubber Granules (1-4mm)
Spray Coating	Conipur 216 EPDM Granules (0.5-1.5mm) EPDM Powder
Optional	Sealing Layer Conipur 63 HE

Total Thickness of System 13 mm (11+2 mm)

	IAAF Requirement	DIN 18035/6 Requirement	+10 °C	+23 °C	+30 °C
Modified vertical deformation	0.6-1.8 mm	-	1.14	1.33	1.45
Force Reduction	35-50 %	-	37.20	38.50	39.80
Tensile Strength	≥0.4 N/mm ²	>0.5 N/mm ²	-	0.72	-
Elongation at break	≥40%	≥40%	-	75.00	-

Water permeability	DIN 18035/6	cm/sec	0.21
Relative abrasion resistance	DIN 18035/6		1.20
Spike resistance	DIN 18035/6		Class 1
Max. indentation when loaded	DIN 18035/6	mm	6.95
Remaining indentation			0.46
Flammability behaviour	DIN 51960		Class 1
Ball rebound	DIN 18035/6	%	99.00
Sliding coefficient	DIN 18035/6		dry/leather 0.94
			wet/leather 0.71
Standard deformation	DIN 18035/6	mm	± 0 °C 0.94
			+ 20 °C 1.13
			+ 40 °C 1.21
Ageing (DIN 18035/6)	Tensile Strength N/mm ²	Elongation at Break %	E-Module N/mm ²

Standard climate DIN 50014	0.72	75.00	1.92
Combined climate of heat, humidity and UV DIN 53387	0.75	87.00	1.79